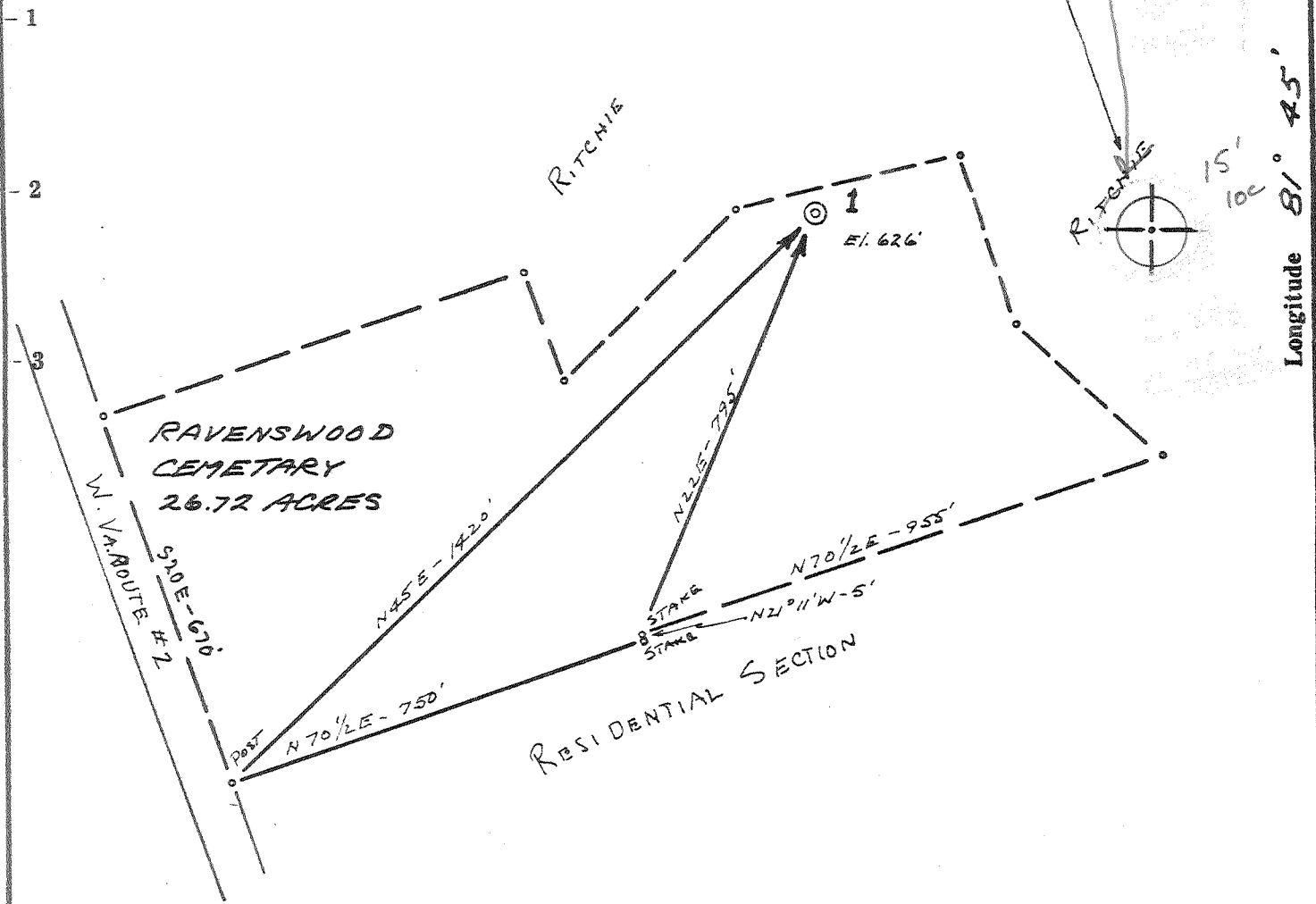


5000'

CODE 1 CARD 2 PLOT 3

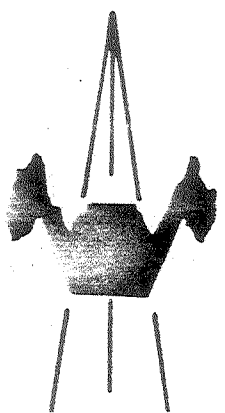
Latitude 39° 00'

2.46 M. S.  
0.92 M. W.



Longitude 81° 45'

12,900



ACCURACY: 1' / 1200'

Source of Elevation B.M. @ B&O. RR (596')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- ~~New Location~~
- Drill Deeper
- Abandonment  6/24/74
- Fracture
- Redrill  9/31/85

*Chet Waterman*

BURDETTE OIL & GAS CO., INC. 119  
2303 Roxalana Rd. - Dunbar, WVa 25064  
Surface: Ravenswood Cemetery Co.

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP  
FILE NO. JAC-1176-P-Red.

Tract \_\_\_\_\_ Acres 26.73 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 626' 15' 110 NE3  
 Quadrangle RAVENSWOOD 5704  
 County JACKSON 035 District RAVENSWOOD  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788  
 File No. 69003-74 Drawing No. \_\_\_\_\_  
 Date 3/24/69 Scale 1" = 300'

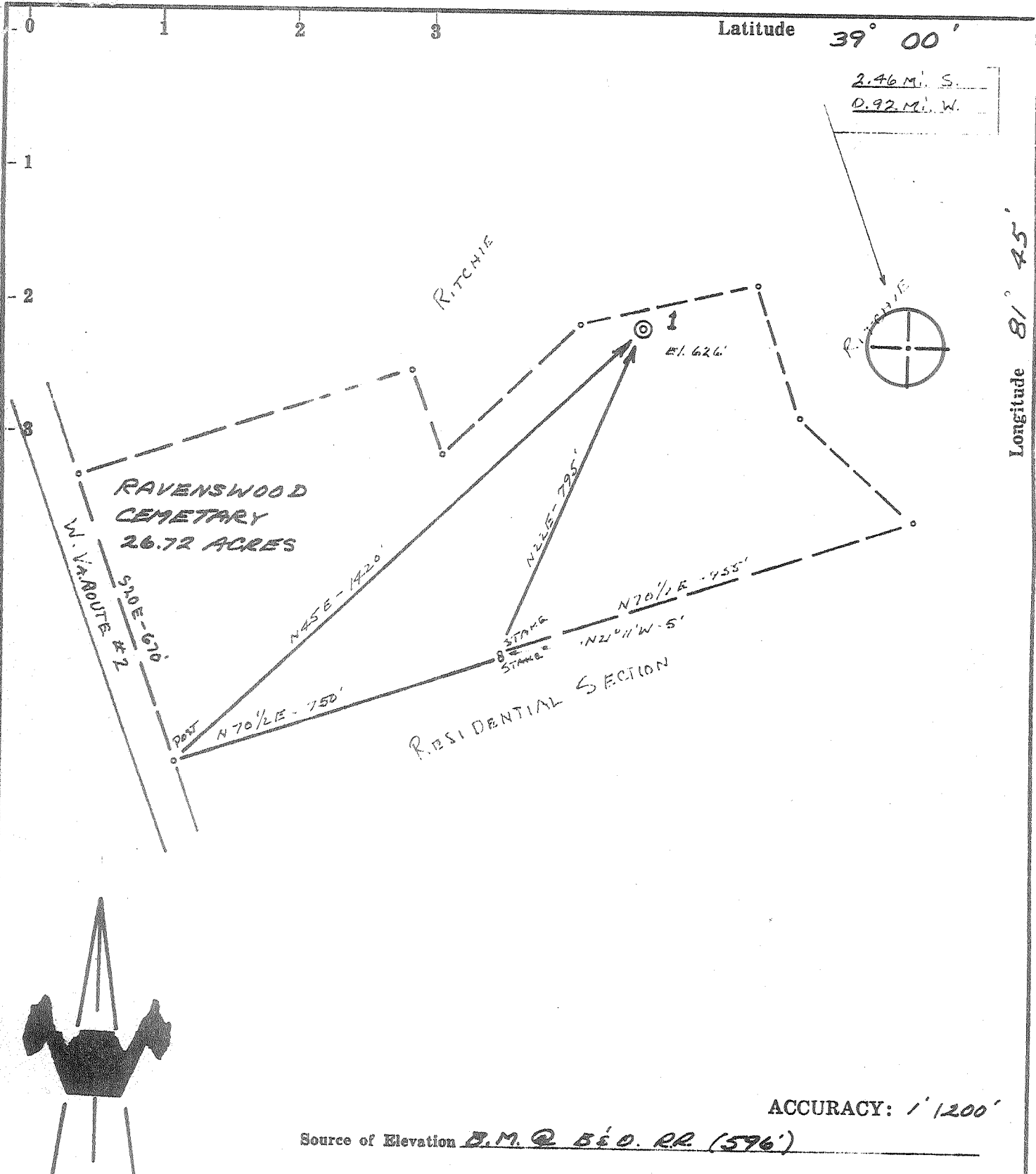
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

JUN 10 1985

47-035

DEEP WELL OWWO- 4-4 Groundhog Creek (337) see 0351172-orig



ACCURACY: 1' 1200'

Source of Elevation B.M. @ B&O. RR. (596')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

*issued 6/14/74*

*Chet Waterman*

**FRANCO OIL & GAS CO.**

Company NEAL ROOPER JR. (FRANCO OIL & GAS CO.)

Address N.W. BELPRE, OHIO

Farm RITCHIE (NORTH UNIT)

Tract \_\_\_\_\_ Acres 26.73 Lease No. \_\_\_\_\_

Well (Farm) No. 1 Serial No. \_\_\_\_\_

Elevation (Spirit Level) 626'

Quadrangle RAVENSWOOD NE

County JACKSON District RAVENSWOOD

Engineer **CHET WATERMAN**

Engineer's Registration No. 3788

File No. 69003-74 Drawing No. \_\_\_\_\_

Date 3/24/69 Scale 1" = 300'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP  
FILE NO. JAC-1176-P

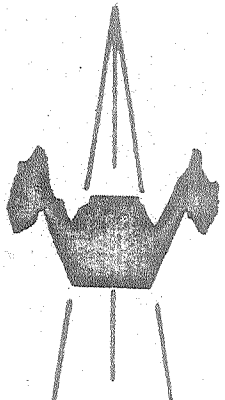
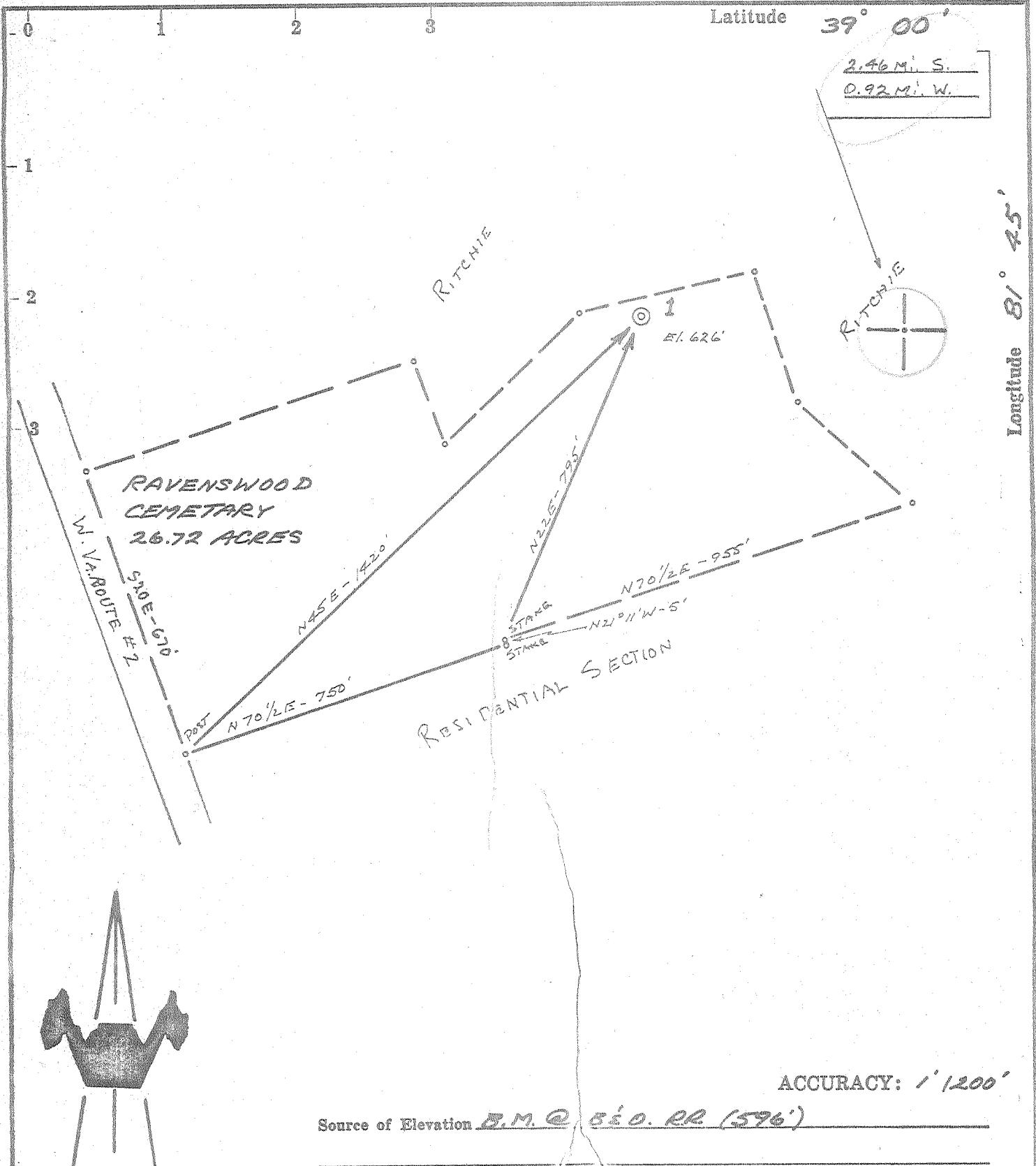
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

**47-037**

*Deep well*

JUL 1 1974



ACCURACY: 1' 1200'

Source of Elevation B.M. @ B&O. RR (596')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

*Chet Waterman*

Company NEAL RUDDER dba RUDDER OIL & GAS CO

Address BELPRE, OHIO

Farm RITCHIE NORTH UNIT

Tract \_\_\_\_\_ Acres 26.73 Lease No. \_\_\_\_\_

Well (Farm) No. 1 Serial No. \_\_\_\_\_

Elevation (Spirit Level) 626'

Quadrangle RAVENSWOOD NE

County JACKSON District RAVENSWOOD

Engineer CHET WATERMAN

Engineer's Registration No. 3788

File No. 69003-74 Drawing No. \_\_\_\_\_

Date 3/29/69 Scale 1" = 300'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP  
FILE NO. JAC-1176

+ Denotes location of well on United States Topographic Map, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Quadrangle Ravenswood  
Permit No. JAC 1176

Company <u>Neal Rudder dba Rudder Oil &amp; Gas</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P.O. Box 126, Belpre, Ohio</u>				
Farm <u>Ritchie North Unit</u> Acres <u>250</u>	Size			
Location (waters) <u>Turkey Run</u>	<del>20"</del>	<u>72'</u>	<u>72'</u>	Kind of Packer
Well No. <u>1</u> Elev. <u>628 Grn.</u>	<u>13 3/8</u>	<u>142'</u>	<u>142'</u>	Size of
District <u>Ravenswood</u> County <u>Jackson</u>	<u>10 9 5/8"</u>	<u>1735</u>	<u>1735</u>	Depth set
The surface of tract is owned in fee by <u>Ravenswood Cemetery</u>	<u>7"</u>	<u>4925</u>	<u>4925</u>	
Address <u>Ravenswood, W. Va.</u>				
Mineral rights are owned by <u>Ravenswood Cemetery</u>	<u>5 3/16</u>			
<u>Ritchie heirs</u> Address <u>Ravenswood, W. Va.</u>	<u>4 1/2</u>			
Drilling commenced <u>5/5/69</u>	<u>3</u>			Perf. top
Drilling completed <u>5/13/69</u>	<u>2 3/8 Reg.</u>		<u>4915</u>	Perf. bottom
Date Shot From To	Liners Used			Perf. top
With				Perf. bottom
Open Flow /10ths Water in Inch	Attach copy of cementing record. <u>13 3/8"</u> ; <u>9 5/8"</u> ; <u>7"</u>			
/10ths Merc. in Inch	CASING CEMENTED	SIZE	No. Ft.	Date
Volume <u>Est. 15,000,000</u> cfgd Cu. Ft.	Amount of cement used (bags) <u>200 sx</u> ; <u>100 sx</u> ; <u>105 sx</u>			
Rock Pressure <u>2000</u> lbs. hrs.	Name of Service Co. <u>Lawson Oil &amp; Gas Cementing Co.</u>			
Oil <u>None</u> bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT FEET INCHES			
WELL ACIDIZED (DETAILS) <u>No</u>	FEET INCHES FEET INCHES			
WELL FRACTURED (DETAILS) <u>No</u>	FEET INCHES FEET INCHES			

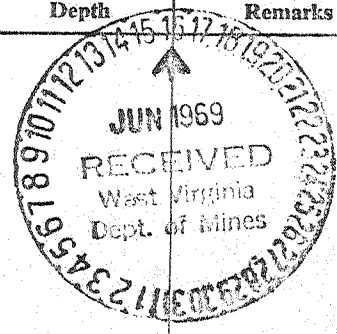
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 15,000 Mcf 15,000,000

ROCK PRESSURE AFTER TREATMENT HOURS

Fresh Water Feet Salt Water 1670 Feet

Producing Sand Newburg 4930 - 4938 Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Gravel			0	72'			
Red Rock			72				
Sand							
Slate							
Shale				1666			
Big Injun			1666	1686			
Shale			1686	2741			
Slate & Shells			2741	4141			
Brn. Shale			4141	4164			
Cornif Lime			4163	4280			
Oriskany			4280	<del>4280</del> <u>4324</u>	GAS		Estimated
Lime - <u>Hesperberg</u> & <u>SALINA</u>			<del>4280</del> <u>4324</u>	4930			1MMcft Nat.
Newburg			4930	<del>4930</del> <u>4938</u>	GAS		Est 15,000 Nat
TD <u>McKenzie</u>			<del>4938</del> <u>4938</u>	4948			



*Oriskany log top @ 4320 per P.I card.*

Date 6/10, 1969

APPROVED RUDDER OIL & GAS, Owner

By Neal Rudder OWNER  
(Title)

RECEIVED

JUL 11 1985



IV-35 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date 7-11-85 Operator's Well No. #1 Farm Ravenswood Cemetery API No. 47-035-1176-P-R

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injection / Waste Disposal / (If "Gas," Production x / Underground Storage / Deep / Shallow x /)

LOCATION: Elevation: 626' Watershed Turkey Run District: Ravenswood County Jackson Quadrangle Ravenswood

COMPANY Burdette Oil & Gas Co., Inc.

ADDRESS 2303 Roxalana Rd., Dunbar, WV25064

DESIGNATED AGENT Michael A. Burdette

ADDRESS 2303 Roxalana Rd., Dunbar, WV25064

SURFACE OWNER Ravenswood Cemetery Co

ADDRESS Ravenswood, WV

MINERAL RIGHTS OWNER Same as above

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Jerry

Tephabock ADDRESS Rt. 1, Box 101-A Ripley, WV 25271

PERMIT ISSUED May 31, 1985

DRILLING COMMENCED June 17, 1985

DRILLING COMPLETED June 21, 1985

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-1620", 13-3/8", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and 1 1/2" Liners used.

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2024-3903 feet

Depth of completed well 3903 feet Rotary x / Cable Tools

Water strata depth: Fresh Cased feet; Salt Cased feet

Coal seam depths: -- Is coal being mined in the area? No

Drilled & cleaned out well to 4000' - Set bridge plug in 7" to 3903'

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3530 - 3550 / 3610 - 3630 feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow 190 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 6 hours

Static rock pressure 300 psig (surface measurement) after 48 hours shut in (If applicable due to multiple completion--)

Second producing formation Pay zone depth feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side) JUL 22 1985





1) Date: May 14, 19 85  
 2) Operator's Well No. #1  
 3) API Well No. 47 035 1176-P  
 State County Permit

**RECEIVED**

MAY 28 1985

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION

- DEPT. OF MINES
- WELL TYPE: A (Oil) / Gas X /  
 B (If Gas, Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 626' Watershed: Turkey Run  
 District: Ravenswood County: Jackson Quadrangle: Ravenswood
- 6) WELL OPERATOR Burdette Oil & Gas Co. 7) DESIGNATED AGENT Michael A. Burdette  
 Address 2303 Roxalana Rd. Address 2303 Roxalana Rd.  
Dunbar, WV 25064 7525 Dunbar, WV 25064
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Jerry Tephabock - Ph. 372-6805 Name Burdette Oil & Gas Co.  
 Address Rt. 1 Box 101-A Address 2303 Roxalana Rd.  
Ripley, WV 25271 Dunbar, WV 25064
- 10) PROPOSED WELL WORK: Drill \_\_\_\_\_ / Drill deeper \_\_\_\_\_ / Redrill X / Stimulate X /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation X /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Brown Shale
- 12) Estimated depth of completed well, 4160 feet
- 13) Approximate trata depths: Fresh, 72 feet; salt, 1670 feet.
- 14) Approximate coal seam depths: None Is coal being mined in the area? Yes \_\_\_\_\_ / No X /
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling			Left in well
Conductor	20"					72'	72'		
Fresh water	13 3/8"					142'	142'	200 SX	
Coal									
Intermediate	9 5/8"					1735'	835'	100 SX	
Production	7"					4160'	1660'	105 SX	
Tubing									
Liners									
	<u>TO BE RUN -</u>								
	<u>8 5/8"</u>		<u>20#</u>			<u>500'</u>	<u>500'</u>	<u>CTS NEAT</u>	

Existing CASING See well records

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-035-1176-P-R Date May 31 19 85

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.  
 Permit expires May 31, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>25-</u>	<u>A1B</u>	<u>MW</u>	<u>MW</u>	<u>33381</u>

*Margaret J. Wass*  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File